

**c.) Amendments to the Claims****Status Identifiers of the Claims**

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### **Listing of Claims**

Claim 1-38 (cancelled)

39. (New): A protein standard comprising a collection of polypeptides wherein;
- (a) the protein standard contains at least three polypeptides of different known size and of different known amount;
  - (b) the size of all of the polypeptides covers a range that is separable by a given polyacrylamide gel electrophoresis;
  - (c) the amounts of all of the polypeptides cover a range that is detectable by a given detection assay; and
  - (d) the amount of each polypeptide is determined by comparing the relative staining intensity of the polypeptide with relative staining intensities of different known amounts of a known protein on a gel followed by a detection assay.
40. (New): The protein standard according to claim 39, wherein detection intensity of the detection assay is related to the polypeptide amount.
41. (New): The protein standard according to claim 39, wherein the known protein is bovine serum albumin, lysozyme, or insulin.
42. (New): The protein standard according to claim 39, wherein the known protein is any chosen protein with known size and quantity.
43. (New): A protein standard kit comprising a carrier means having in close confinement therein at least one container means containing the protein standard according to claim 39.
44. (New): A method of preparing a protein standard comprising:

- (a) obtaining at least three polypeptides with different sizes wherein the sizes of the polypeptides are separable by a given gel electrophoresis;
- (b) electrophoresing these polypeptides with different amounts of a known protein on separate lanes on a gel;
- (c) determining the amount of each of the polypeptides with a detection assay by comparing relative staining intensities of the polypeptides with relative staining intensities of different amounts of said known protein; and
- (d) combining the polypeptides such that each has different size from one another and different amount from one another.

45. (New): The method according to claim 44, wherein the known protein is bovine serum albumin, lysozyme, or insulin.

46. (New): The method according to claim 44, wherein the known protein is any chosen protein with known size and quantity.

47. (New): The method according to claim 44, wherein detection intensity of the detection assay is related to the polypeptide amount.

48. (New): A method of using a protein standard to estimate the size and the amount of a polypeptide in a protein sample comprising:

- (a) electrophoresing simultaneously in separate lanes on a gel the protein sample and a protein standard containing at least of three polypeptides of different known size and of different known amount;
- (b) detecting the polypeptides on the gel with a detection assay to obtain relative positions and relative detection intensities of the polypeptides;

(c) comparing the relative positions of polypeptides of said protein standard with the relative position of polypeptide in the protein sample to estimate its size; and

(d) comparing the relative detecting intensities of polypeptides of said protein standard with the relative detecting intensity of polypeptide in the protein sample to estimate its amount.

49. (New): The method according to claim 48, wherein detection intensity of the detection assay is related to the polypeptide amount.

50. (New): The method according to claim 48, wherein the protein sample contains one or more polypeptides.

51. (New): The method according to claim 48, wherein the sizes of the polypeptides in the protein standard are separable by a given gel electrophoresis.

52. (New): The method according to claim 48, wherein the amounts of the polypeptides in the protein standard are detectable by a given detection assay.

53. (New): The method according to claim 48, wherein the amounts of polypeptides of the protein standard are determined by comparing the relative staining intensity of the polypeptide with relative staining intensities of different known amounts of a known protein on a gel followed by a detection assay.

54. (New): The method according to claim 53, wherein the known protein is bovine serum albumin, lysozyme, or insulin.

55. (New): The method according to claim 53, wherein the known protein is any chosen protein with known size and quantity.